

Date: Thu, 6 Oct 94 04:30:23 PDT
From: Ham-Equip Mailing List and Newsgroup <ham-equip@ucsd.edu>
Errors-To: Ham-Equip-Errors@UCSD.Edu
Reply-To: Ham-Equip@UCSD.Edu
Precedence: List
Subject: Ham-Equip Digest V94 #359
To: Ham-Equip

Ham-Equip Digest Thu, 6 Oct 94 Volume 94 : Issue 359

Today's Topics:

Alinco DJ580T AM Aircraft band sensitivity (2 msgs)
Any opinions on Azden HTs?
DTMF Squelch on FT530
Ford Ranger Experiences
FT5100 vs DR600T vs C5718DA?
Kenwood TM-251A
looking for doppler plans
Looking for TEGAL RFG300
Max output power of Alpha ? (2 msgs)
qst and ts-520s
sony icf-2010 mods
Yaesu FT757 GX problem

Send Replies or notes for publication to: <Ham-Equip@UCSD.Edu>
Send subscription requests to: <Ham-Equip-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Equip Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-equip".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Tue, 4 Oct 1994 13:17:40 UNDEFINED
From: kevin.jessup@meipws.mis.mei.com (Kevin Jessup)
Subject: Alinco DJ580T AM Aircraft band sensitivity

I have an Alinco DJ580T dual-band (2m/70cm) HT. A fine HT that has
given me excellent results on both bands.

AM aircraft band (after performing the mod) sensitivity has always
been poor. Barely breaks squelch even when at the airport! The S-meter
doesn't get off of the first segment. The AM audio sounds weak and
noisy.

It's not the antenna as the Alinco antenna does fine on a different AM capable rig. Alinco tech support wants me to send it in (at what cost?) but I hate to part with it. Anyone else have a similar problem?

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-----  
/`-_      kevin.jessup@mail.mei.com |  
{      }/ Marquette Electronics, Inc | Time for another tea party!  
\      / Milwaukee, Wisconsin, USA |  
|__*| N9SQB, ARRL, Amateur Radio |  
-----
```

Date: Wed, 5 Oct 1994 04:42:39 +500
From: jneider@ins.infonet.net (Jon Neiderbach)
Subject: Alinco DJ580T AM Aircraft band sensitivity

In article <kevin.jessup.8.000770FF@mail.mei.com> kevin.jessup@mail.mei.com (Kevin Jessup) writes:

>AM aircraft band (after performing the mod) sensitivity has always
>been poor. Barely breaks squelch even when at the airport! The S-meter
>doesn't get off of the first segment. The AM audio sounds weak and
>noisy.

My DR-600T is also very poor in the sensitivity department, both on the aircraft band and as a policy scanner (460 Mhz). Signals that come in full strength on my Icom HT just barely break the squelch. Weak and noisy also applies.

I am very satisfied with the rig as a 2m/70cm radio, although I haven't had the time to play with the feature that I bought it for: dual-band repeat.

Date: Mon, 3 Oct 1994 17:40:30 GMT
From: frede@microsoft.com (Frederick Einstein)
Subject: Any opinions on Azden HTs?

In article <1994Sep26.130653.19031@mixcom.com> kevin wrote:
> I'm considering the Azden 2-meter HT. Looks pretty rugged.
> Wide-band receive plus AM aircraft. 5 Watts (12 V battery)
> is standard. Any one have any opinions on this unit or
> Azden in general? Thanks.
>

I reply:

I have the Azden 6 Meter handheld and am quite happy with it. I would question though, whether to buy a "commodity" item like a 2 meter rig from Azden when you can buy a rugged, immune to intermod rig such as the Radio Shack HTX-202, or a wide-band rig from Yaesu, Kenwood, Icom, or Standard. I see two big problems with the Azden rigs (2 and 6 meter)....

1) Difficult to program.

2) Batteries and other accessories are pretty non-standard. I believe that you can't buy a replacement

battery pack from E.H. Yost or any of the other third party vendors.

On the plus side, I've had very good luck with the 6 meter rig in terms of reliability and performance.

6 meter rigs though are VERY rare, and I was forced to go to the Azden because no one else offers a 6

meter handheld. I use a Yaesu 530 HT for 2 meters and 440. Does wide-band receive, crummy in terms of intermod rejection however (as all wide-band capable rigs are).

Hope this helps,

Fredric Einstein

Date: 4 Oct 1994 16:21:36 GMT

From: brianm@boi.hp.com (Brian Mahaffy)

Subject: DTMF Squelch on FT530

Paul Christofanelli (paulc@fc.hp.com) wrote:

: The DTMF squelch problem is a known bug. Mine does the same thing

: (bought January 1993).

Good! Well not so good, but at least I know it's not defective then.

: I don't know how old yours is; perhaps they've
: fixed this in later models.

It's brand spanky new (Serial is 4C260835). Had the new green wire so its at least in a fairly recent lot.

Interestingly enough, I contacted Yaesu about it at their service department in SoCal. The message they left on my answering machine in response said it had a SW malfunction and gave instructions on

how to send it to them for a repair. Now why would they have a repair fix for it and not apply the fix to new manufactured units I wonder?

Since it appears to be a class problem and not a defect in my radio, it isn't serious enough to get me to pay to send the radio all the way to SoCal and not have it for a week.

: -Paul C. KG0CZ

Thanks for the response.....73s Brian

--

Brian Mahaffy	Hewlett-Packard	Any sufficiently advanced
Storage Subsystems Division (SSD)		technology, is indistinguishable
N6UGP	(208)396-7857	from Magic!
brianm@zeus.boi.hp.com		Arthur C. Clark
N6UGP@WB7DOW.ID.U.S.A.NA		

Ask me about Linux!

The Free Unix for x86 PCs

"They, that can give up essential liberty, to obtain a little temporary safety, deserve neither liberty nor safety." -- Benjamin Franklin 1759

Date: 5 Oct 1994 08:23:43 -0500
From: jpillera@umi.com (Joe Pillera)
Subject: Ford Ranger Experiences

Has anyone installed a VHF/UHF amateur transceiver in a Ranger pickup? I am considering purchasing a new vehicle soon, and need to know what problems and issues (if any) are involved with this truck model.

Any tips / experiences would be greatly appreciated.

Please respond to my email address (jpillera@umi.com), as I don't have a newsreader at work.

TNX and 73,
Joe

Joe Pillera, N8QY0
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300 North Zeeb Road
Ann Arbor, MI 48106-1346

Voice: (313) 761-4700 x3214
Fax: (313) 677-8912
Email: jpillera@umi.com

Date: Tue, 04 Oct 1994 17:11:40 -0800
From: philkeys@olympus.net (Phil Keys)
Subject: FT5100 vs DR600T vs C5718DA?

I'm trying to decide what dual-band mobile to buy and would appreciate any comments and/or experience with:

Yaesu FT5100

Alinco DR-600T - is remote DTMF control really useful?
- how well does detachable face plate mount somewhere else?
- can it run 9600 baud packet?

Standard C5718DA - how well does performing all operations from the speaker/mic work? Can you do it while driving?
- does it have any better intermod rejection or other receiver operation?

Any other great dual-band mobiles for the price?

Thanks for any input.

--
philkeys@pt.olympus.net (Phil Keys) KB7WXQ
Software Consultant - specializing in software safety & quality
Port Hadlock, WA 98339 (206) 379-8650
West of Puget Sound..South of British Columbia... 122 44.0W 48 02.0N

Date: 5 Oct 1994 01:15:20 GMT
From: chicks@olympus.net (Casey Hicks KC7EQQ)
Subject: Kenwood TM-251A

Can anyone tell me if the Kenwood TM-251A has off-band receive capability? If not, is there any legal modifications that can be made?

e-mail address: chicks@olympus.net

If someone could be able to let me know on this, it would be greatly appreciated.

Casey A. Hicks, KC7EQQ - Technician Plus Ham Operator

Control Operator of WF7W Repeater System
Located in Port Angeles, WA - Northwest Corner of USA

Date: 5 Oct 1994 12:49:38 GMT
From: mwarchut@twain.ucs.umass.edu (Michael Warchut)
Subject: looking for doppler plans

Does anyone know where I can get plans to build a doppler.?

--

| Michael W. Warchut Voice: 413-545-2036 |
| Senior Technician Fax : 413-545-2418 |
| PC Maintenance Lab You breakem I fixem |
| University of Mass 50% of the time!! |

Date: 4 Oct 1994 14:06:06 GMT
From: tom.thorsen@kjemi.uio.no (Tom Thorsen)
Subject: Looking for TEGAL RFG300

Is there anybody out there who know anything about a RF-generator named :

TEGAL RFG300

I'm mainly interested in basic data, such as :
frequency-range, max. power outlet and amplitude.

Date: Tue, 4 Oct 1994 15:40:27 GMT
From: hpaik@silver.sdsmt.edu (H. Paik)
Subject: Max output power of Alpha ?

>I have Alpha 76PA (3 x 8874). I am using 110VAC.
>I can have around 1300W continuous carrier power output.
>I may able to get some more output, but my circuit breaker
>is going off or 76PA's fuse is blown.
>One guy told me he could put out way more than 1500W on his Alpha
>374 (3 x 8874). Another guy said the similiar thing.
>Max current on 8874 is 350mA. Max plate voltage is around 2000V.
>(When mine puts out max, total plate curent is around 1000mA and plate
>voltage is just above 2000V).

>My question is what is the maximum power you can get from Alpha ?

Several people responded this posting.

Yes, they said Alpha 76 can have more than 1500W.

I'd like to know what are the plate current/voltage, grid current, output power when it puts out max power.

One guy told me that there is an input power limit circuit which prevents the more than 1300W in the newer model of alpha (> 1979).

I looked at my circuit, there is a circuit (does not show anything other than a block) between the input from the driver and 0.02u, then it goes to the cathode. I suspect this block is an input power limit circuit.

Could anybody give some idea about this block ?

Thanks

H.W. Paik KF0BI

hpaik@silver.sdsmt.edu

Date: 4 Oct 94 18:54:28 GMT

From: hawley@aries.scs.uiuc.edu (Chuck Hawley)

Subject: Max output power of Alpha ?

hpaik@silver.sdsmt.edu (H. Paik) writes:

>>I have Alpha 76PA (3 x 8874). I am using 110VAC.

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>cathode. I suspect this block is an input power limit circuit.

>Could anybody give some idea about this block ?
>Thanks
>H.W. Paik KF0BI
>hpaik@silver.sdsmt.edu

Let's see.....I think the 76 has a bunch of resistors across the input in parallel. The amp is grid driven, and the resistors provide the match for the exciter. There is an (unofficial?) mod where you remove some of the resistors to reduce the drive requirements on the exciter, but not so many that you cause SWR power reduction in your solid state rig. I think that's all there is to it.

Chuck Hawley, KE9UW in Urbana, Illinois
hawley@aries.scs.uiuc.edu
School of Chemical Sciences, Electronic Services
University of Illinois, Urbana-Champaign

Date: Sun, 2 Oct 94 22:20:00 -0500
From: ulis.fleming@woodybbs.com (Ulis Fleming)
Subject: qst and ts-520s

Ba> Does anyone know which issue of QST reviewed the kenwood ts-520s? My
Ba> father is looking for a first time rig and I'm not sure what this rig
Ba> can do. Any comments pro or con about this equipment as a first rig?
My first real radio was a TS-520SE when I was a kid (first one was a
Swan 500C - Not a good first radio). The TS-520SE from what I understand
is the same as the TS-520S except it does not have the 12V capabilities that
the 520S does. I worked so very well for me that I regretting selling some
years later. The only reason I sold it was that I bought a TS-440S and
wanted a radio with a general coverage rcvr. Excellent choice for a
first rig in my opinion.

... WB3LUI @ WB3V.MD.USA.NA
___ Blue Wave/QWK v2.12

--- PCB15.1/2-GEcho 1.02
* Origin: BORDERTECH BBS, HAMPSTEAD,MD *USA* 410.239.4247 (1:261/1355)

Date: Sun, 2 Oct 94 22:20:00 -0500
From: ulis.fleming@woodybbs.com (Ulis Fleming)
Subject: sony icf-2010 mods

THKP> HI , I WAS WONDERING IF ANYBODY KNEW IF THERE WERE ANY MODS AVAILABLE
THKP> FOR THE SONY ICF-2010 SHORTWAVE RECEIVER AVAILABLE I DON'T HAVE FULL
THKP> ACCESS TO THE NET ONLY E-MAIL.

Check the latest issues of Monitoring Times and Popular Communications.
There are always advertisers selling filtering mods for the 2010.

... WB3LUI @ WB3V.MD.USA.NA
___ Blue Wave/QWK v2.12

--- PCB15.1/2-GEcho 1.02
* Origin: BORDERTECH BBS, HAMPSTEAD,MD *USA* 410.239.4247 (1:261/1355)

Date: 4 Oct 1994 15:50:06 GMT
From: dgontz@po-box.esu.edu (Douglas Gontz)
Subject: Yaesu FT757 GX problem

I'm posting this for a friend since he hasn't got Internet access.

=====
I have a Yaesu 757 GX. Within the last few weeks the receiver has started to malfunction. While in receive mode the rig will suddenly begin to sound as though there is an intense amount of static. Eventually the noise covers up any signals less than S9. I've found that giving the rig a wham on both sides or the top seems to fix the problem temporarily. Obviously this isn't the desired remedy though.

Someone mentioned that they had read something about a block of pin diodes going bad in the 757 causing this type of problem. Does anyone have informatin regarding this and what steps are necessary to correct the problem? Does anyone have any suggestions at all short of sending the rig back to the factory?

Thanks for any and all advice. / de Dave -- n3jfm

=====
Doug here again. Please send responses directly to me as it may be several days or even weeks before I get to read this list again. I'll just print the responses and pass them on to my friend. Thanks in advance.

=== Douglas -- n3jxb

End of Ham-Equip Digest V94 #359
